

## Federal Communications Commission

## Pt. 22

(ii) Consistent with the public interest, convenience, and necessity.

(e) *Definitions.* Terms used in this section have the following meanings:

*Affiliate.* “Affiliate” means a person that (directly or indirectly) owns or controls, is owned or controlled by, or is under common ownership with, another person. For purposes of this section, the term “own” means to own an equity interest (or the equivalent thereof) of more than 10 percent.

*Broadband Commercial Mobile Radio Service (Broadband CMRS).* For the purposes of this section, “broadband CMRS” means Cellular Radiotelephone Service (part 22, subpart H of this chapter), Specialized Mobile Radio (part 90, subpart S of this chapter), and broadband Personal Communications Services (part 24, subpart E of this chapter).

*Incumbent Local Exchange Carrier (Incumbent LEC).* “Incumbent LEC” has the same meaning as that term is defined in §51.5 of this chapter.

*In-region.* For the purposes of this section, an incumbent LEC’s broadband CMRS service is considered “in-region” when 10 percent or more of the population covered by the CMRS affiliate’s authorized service area, as determined by the 1990 census figures, is within the affiliated incumbent LEC’s wireline service area.

*Rural Telephone Company.* “Rural Telephone Company” has the same meaning as that term is defined in §51.5 of this chapter.

(f) *Sunset.* This section will no longer be effective after January 1, 2002.

[62 FR 63871, Dec. 3, 1997, as amended at 66 FR 10968, Feb. 21, 2001]

## PART 22—PUBLIC MOBILE SERVICES

### Subpart A—Scope and Authority

Sec.

- 22.1 Basis and purpose.
- 22.3 Authorization required.
- 22.5 Citizenship.
- 22.7 General eligibility.
- 22.99 Definitions.

### Subpart B—Licensing Requirements and Procedures

#### APPLICATIONS AND NOTIFICATIONS

- 22.107 General application requirements.

- 22.131 Procedures for mutually exclusive applications.

- 22.143 Construction prior to grant of application.

- 22.150 Standard pre-filing technical coordination procedure.

- 22.165 Additional transmitters for existing systems.

- 22.169 Internal coordination of channel assignments.

#### COMPETITIVE BIDDING PROCEDURES

- 22.201 Paging geographic area authorizations are subject to competitive bidding.

- 22.203–22.211 [Reserved]

- 22.213 Filing of Long-form applications.

- 22.215 [Reserved]

- 22.217 Bidding credits for small businesses.

- 22.221 Eligibility for partitioned licenses.

- 22.223 Designated entities.

- 22.225 Certifications, disclosures, records maintenance, and definitions.

- 22.227 Petitions to deny and limitations on settlements.

- 22.228 Cellular rural service area licenses subject to competitive bidding.

- 22.229 Designated entities.

### Subpart C—Operational and Technical Requirements

#### OPERATIONAL REQUIREMENTS

- 22.301 Station inspection.

- 22.303 Retention of station authorizations; identifying transmitters.

- 22.305 Operator and maintenance requirements.

- 22.307 Operation during emergency.

- 22.313 Station identification.

- 22.317 Discontinuance of station operation.

- 22.321 Equal employment opportunities.

- 22.325 Control points.

#### TECHNICAL REQUIREMENTS

- 22.351 Channel assignment policy.

- 22.352 Protection from interference.

- 22.353 Blanketing interference.

- 22.355 Frequency tolerance.

- 22.357 Emission types.

- 22.359 Emission limitations.

- 22.365 Antenna structures; air navigation safety.

- 22.371 Disturbance of AM broadcast station antenna patterns.

- 22.377 Certification of transmitters.

- 22.383 In-building radiation systems.

### Subpart D—Developmental Authorizations

- 22.401 Description and purposes of developmental authorizations.

- 22.403 General limitations.

- 22.409 Developmental authorization for a new Public Mobile Service or technology.

- 22.413 Developmental authorization of 72–76 MHz fixed transmitters.

**Subpart E—Paging and Radiotelephone Service**

- 22.501 Scope.
- 22.503 Paging geographic area authorizations.
- 22.507 Number of transmitters per station.
- 22.509 Procedures for mutually exclusive applications in the Paging and Radiotelephone Service.
- 22.511 Construction period for the Paging and Radiotelephone Service.
- 22.513 Partitioning and disaggregation.
- 22.515 Permissible communications paths.
- 22.527 Signal boosters.
- 22.529 Application requirements for the Paging and Radiotelephone Service.

**PAGING OPERATION**

- 22.531 Channels for paging operation.
- 22.535 Effective radiated power limits.
- 22.537 Technical channel assignment criteria.
- 22.559 Paging application requirements.

**ONE-WAY OR TWO-WAY MOBILE OPERATION**

- 22.561 Channels for one-way or two-way mobile operation.
- 22.565 Transmitting power limits.
- 22.567 Technical channel assignment criteria.
- 22.571 Responsibility for mobile stations.
- 22.573 Use of base transmitters as repeaters.
- 22.575 Use of mobile channel for remote control of station functions.
- 22.579 Operation of mobile transmitters across U.S.-Canada border.
- 22.589 One-way or two-way application requirements.

**POINT-TO-POINT OPERATION**

- 22.591 Channels for point-to-point operation.
- 22.593 Effective radiated power limits.
- 22.599 Assignment of 72–76 MHz channels.
- 22.601 Existing microwave stations licensed under this part.
- 22.602 Transition of the 2110–2130 and 2160–2180 MHz channels to emerging technologies.
- 22.603 488–494 MHz fixed service in Hawaii.

**POINT-TO-MULTIPOINT OPERATION**

- 22.621 Channels for point-to-multipoint operation.
- 22.623 System configuration.
- 22.625 Transmitter locations.
- 22.627 Effective radiated power limits.

**470–512 MHz TRUNKED MOBILE OPERATION**

- 22.651 470–512 MHz channels for trunked mobile operation.
- 22.653 Eligibility.
- 22.657 Transmitter locations.
- 22.659 Effective radiated power limits.

**Subpart F—Rural Radiotelephone Service**

- 22.701 Scope.
- 22.702 Eligibility.
- 22.703 Separate rural subscriber station authorization not required.
- 22.705 Rural radiotelephone system configuration.
- 22.709 Rural radiotelephone service application requirements.
- 22.711 Provision of information to applicants.
- 22.713 Construction period for rural radiotelephone stations.
- 22.715 Technical channel assignment criteria for rural radiotelephone stations.
- 22.717 Procedure for mutually exclusive applications in the Rural Radiotelephone Service.
- 22.719 Additional channel policy for rural radiotelephone stations.

**CONVENTIONAL RURAL RADIOTELEPHONE STATIONS**

- 22.721 Geographic area authorizations.
- 22.723 Secondary site-by-site authorizations.
- 22.725 Channels for conventional rural radiotelephone stations and basic exchange telephone radio systems.
- 22.727 Power limits for conventional rural radiotelephone transmitters.
- 22.731 Emission limitations.
- 22.733 Priority of service.
- 22.737 Temporary fixed stations.

**BASIC EXCHANGE TELEPHONE RADIO SYSTEMS**

- 22.757 Channels for basic exchange telephone radio systems.
- 22.759 Power limit for BETRS.

**Subpart G—Air-Ground Radiotelephone Service**

- 22.801 Scope.

**GENERAL AVIATION AIR-GROUND STATIONS**

- 22.805 Channels for general aviation air-ground service.
- 22.807 General aviation air-ground station application requirements.
- 22.809 Transmitting power limits.
- 22.813 Technical channel pair assignment criteria.
- 22.815 Construction period for general aviation ground stations.
- 22.817 Additional channel policies.

**COMMERCIAL AVIATION AIR-GROUND SYSTEMS**

- 22.853 Eligibility to hold interest in licenses limited to 3 MHz of spectrum.
- 22.857 Frequency bands.
- 22.859 Incumbent commercial aviation air-ground systems.
- 22.861 Emission limitations.
- 22.863 Frequency stability.

## Federal Communications Commission

## § 22.3

- 22.867 Effective radiated power limits.
- 22.873 Construction requirements for commercial aviation air-ground systems.
- 22.877 Unacceptable interference to part 90 non-cellular 800 MHz licensees from commercial aviation air-ground systems.
- 22.878 Obligation to abate unacceptable interference.
- 22.879 Interference resolution procedures.
- 22.880 Information exchange.

### Subpart H—Cellular Radiotelephone Service

- 22.900 Scope.
- 22.901 Cellular service requirements and limitations.
- 22.905 Channels for cellular service.
- 22.907 Coordination of channel usage.
- 22.909 Cellular markets.
- 22.911 Cellular geographic service area.
- 22.912 Service area boundary extensions.
- 22.913 Effective radiated power limits.
- 22.917 Emission limitations for cellular equipment.
- 22.921 911 Call processing procedures; 911-only calling mode.
- 22.923 Cellular system configuration.
- 22.925 Prohibition on airborne operation of cellular telephones.
- 22.927 Responsibility for mobile stations.
- 22.929 Application requirements for the Cellular Radiotelephone Service.
- 22.935 Procedures for comparative renewal proceedings.
- 22.936 Dismissal of applications in cellular renewal proceedings.
- 22.939 Site availability requirements for applications competing with cellular renewal applications.
- 22.940 Criteria for comparative cellular renewal proceedings.
- 22.943 Limitations on transfer of control and assignment for authorizations issued as a result of a comparative renewal proceeding.
- 22.946 Service commencement and construction systems.
- 22.947 Five year build-out period.
- 22.948 Partitioning and Disaggregation.
- 22.949 Unserved area licensing process.
- 22.950 Provision of service in the Gulf of Mexico Service Area (GMSA).
- 22.951 Minimum coverage requirement.
- 22.953 Content and form of applications.
- 22.955 Canadian condition.
- 22.957 Mexican condition.
- 22.959 Rules governing processing of applications for initial systems.
- 22.960 Cellular unserved area radiotelephone licenses subject to competitive bidding.
- 22.961–22.967 [Reserved]
- 22.969 Cellular RSA licenses subject to competitive bidding.
- 22.970 Unacceptable interference to Part 90 non-cellular 800 MHz licensees from cel-

- lular radiotelephone or Part 90 ESMR systems.
- 22.971 Obligation to abate unacceptable interference.
- 22.972 Interference resolution procedures.
- 22.973 Information exchange.

### Subpart I—Offshore Radiotelephone Service

- 22.1001 Scope.
- 22.1003 Eligibility.
- 22.1005 Priority of service.
- 22.1007 Channels for offshore radiotelephone systems.
- 22.1009 Transmitter locations.
- 22.1011 Antenna height limitations.
- 22.1013 Effective radiated power limitations.
- 22.1015 Repeater operation.
- 22.1025 Permissible communications.
- 22.1031 Temporary fixed stations.
- 22.1035 Construction period.
- 22.1037 Application requirements for offshore stations.

### Subpart J—Required New Capabilities Pursuant to the Communications Assistance for Law Enforcement Act (CALEA)

- 22.1100 Purpose.
- 22.1101 Scope.
- 22.1102 Definitions.
- 22.1103 Capabilities that must be provided by a cellular telecommunications carrier.

AUTHORITY: 47 U.S.C. 154, 222, 303, 309, and 332.

SOURCE: 59 FR 59507, Nov. 17, 1994, unless otherwise noted.

### Subpart A—Scope and Authority

#### § 22.1 Basis and purpose.

This section contains a concise general statement of the basis and purpose of the rules in this part, pursuant to 5 U.S.C. 553(c).

(a) *Basis*. These rules are issued pursuant to the Communications Act of 1934, as amended, 47 U.S.C. 151 *et seq.*

(b) *Purpose*. The purpose of these rules is to establish the requirements and conditions under which radio stations may be licensed and used in the Public Mobile Services.

[59 FR 59507, Nov. 17, 1994, as amended at 70 FR 19307, Apr. 13, 2005]

#### § 22.3 Authorization required.

Stations in the Public Mobile Services must be used and operated only in accordance with the rules in this part